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New Attorney Docket No. 081.004.165US2  
(RSA-036)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Juels, et al.

**Application**

**No.:** 09/496,824

**Filing Date:** February 2, 2000

**Entitled:** Cryptographic Countermeasures Against  
Connection Depletion Attacks

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Examiner: Ali, Ahmedur R.

Group Art Unit: 2131

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**REVOCATION OF PREVIOUS POWER OF ATTORNEY, APPOINTMENT  
OF NEW ATTORNEY, and CHANGE OF CORRESPONDENCE ADDRESS**

Commissioner:

The undersigned, RSA Security Inc., owner of the above-identified United States patent application, hereby revokes all powers of attorney previously granted and appoints the following practitioners with full power of substitution and revocation to prosecute the patent application and to transact all business in the Patent and Trademark Office connected therewith.

**CUSTOMER NUMBER: 23483**

All future correspondence should be sent to:

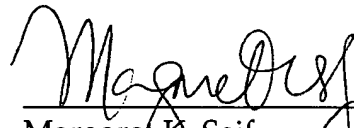
Eric L. Prah  
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Serial No. 09/496,824  
Juels, et al.  
Page 2

The undersigned states that RSA Security Inc. is the sole owner of the entire right, title, and interest by virtue of an Assignment recorded in the United States Patent and Trademark Office on May 18, 2000 at Reel/Frame 010835/0343.

Date: March 16, 2004

By:

  
\_\_\_\_\_  
Margaret K. Seif  
Senior Vice President and  
General Counsel



AUGUST 02, 2000



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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Washington, D.C. 20231



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NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/18/2000

REEL/FRAME: 010836/0343

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JUELS, ARI

DOC DATE: 05/08/2000

ASSIGNOR:

BRAINARD, JOHN

DOC DATE: 05/08/2000

ASSIGNEE:

RSA SECURITY, INC.  
20 CROSBY DRIVE  
BEDFORD, MASSACHUSETTS 01730

SERIAL NUMBER: 09496824

FILING DATE: 02/02/2000

PATENT NUMBER:

ISSUE DATE:

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TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENT DEPARTMENT  
TESTA, HURWITZ & THIBEAULT, LLP



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PATENT



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☒ New☐ Resubmission (Non-Recordation)Document ID#: ☐ Correction of PTO ErrorReel #:  Frame # ☐ Corrective DocumentReel #:  Frame # 

## Conveyance Type

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Assignment

☐ License☐ Merger☐

Security Agreement

☐

Change of Name

☐Other 

U.S. Government

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09496824

☐ Departmental File ☐ Secret File

## Conveying Party(ies)

☐ Mark if additional names of conveying parties attachedName  Ari JuelsExecution Date  
Month Day Year

05/08/2000

Name  John Brainard

05/08/2000

Name 

/ /

Name 

/ /

Name 

/ /

## Receiving Party

☐ Mark if additional names of receiving parties attachedName (line 1)  RSA Security, Inc.Name (line 2) Address (line 1)  20 Crosby DriveAddress (line 2) Address (line 3)  Bedford  MA  01730

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

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## Correspondent Name and Address

Area Code and Telephone Number (617) 248-7000

Name Patent Administrator

Address (line 1) Testa, Hurwitz &amp; Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

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## Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

09/496,824

## Patent Number(s)

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

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## Number of Properties

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## Fee Amount

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20-0531

Authorization to charge additional fees:

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☒

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☐

## Statement and Signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

R. Stephen Rosenholm, 45,283

Name of Person Signing



Signature

5/16/00

Date

ASSIGNMENT

WHEREAS, We, Ari Juels and John Brainard have invented one or more improvements in:

CRYPTOGRAPHIC COUNTERMEASURES AGAINST  
CONNECTION DEPLETION ATTACKS

described in an application (or provisional application) for Letters Patent of the United States:

☐ identified by Attorney Docket No. \_\_\_\_\_, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

☒ Serial No. 09/496,824 filed in the United States Patent Office on February 2, 2000; and

WHEREAS, RSA Security, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 20 Crosby Drive, Bedford, Massachusetts 01730 desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application of such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

*IN TESTIMONY WHEREOF*, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:

Ari Juels  
Ari Juels

Commonwealth of Massachusetts )  
County of Middlesex ) ss

Subscribed and sworn to before me, by the above-named Ari Juels this 8<sup>th</sup> day of  
May, 2000.

Liesel M. Hoffman  
Notary Public LIESEL M. HOFFMAN  
My Commission Expires: February 9, 2007

Inventor:

John G. Brainard  
John Brainard

Commonwealth of Massachusetts )  
County of Middlesex ) ss

Subscribed and sworn to before me, by the above-named John Brainard this 8<sup>th</sup> day of  
May, 2000.

Liesel M. Hoffman  
Notary Public LIESEL M. HOFFMAN  
My Commission Expires: February 9, 2007